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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/837,904	04/19/2001	Attila Narin	MSFT-0261/158417.2	8846

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EXAMINER

LEMMA, SAMSON B

ART UNIT	PAPER NUMBER
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2132

DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/837,904

Applicant(s)

NARIN, ATTILA

Examiner

Samson B Lemma

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. **Claims 1-31** have been examined.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-31** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Miler et al.** (hereinafter referred to as **Miler**) (U.S. Patent No. 6,049,838) in view of Muratani et al. (hereinafter referred to as **Leach et al**) (U.S. Patent No. 6,108,715)

4. **As per claim 1,7-24, 26-31** **Miler** discloses a method of protecting data comprising the acts of:

- Creating a first process associated with a first address space; [Column 6, lines 56-57; figure 3] (Each process, process A or process B, has a its own address space as explained on column 6, lines 56-57 and figure 3)
- Creating a second process associated with a second address, said first address space being inaccessible to said second process; [column 6, lines 56-57; figure 3 and figure 5] (Each processes have a separate address space as explained on column 6, lines 56-57 and figure 3 and figure 5)

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- Running, in said first process, a first software object which stores the data in said first address space; [column 24, line 51; column 8, lines 35-36; column 6, lines 54-65; figure 3, ref. Num “156” and “160”; figure 4, ref. Num “154a”] (first object in the first process)
- Running, in said second process, a second software object which accesses said second address space; [column 24, line 52; column 6, lines 54-65; figure 3, ref. Num “156” and “160”; figure 4, ref. Num “154b”] (second object in the second process)

Miler does not explicitly disclose directing, by said first software process, an action performable by said second software process.

However, in the field of endeavor **Leach** discloses receiving, from the client process/first process, a request to invoke the server procedure/second process; mapping the server procedure stack into an address space of the kernel; when the server procedure utilizes an input parameter, directly copying the input parameter from the client procedure stack to the server procedure stack so as to allow the server procedure to execute using the copied input parameter; and when the server procedure utilizes an output parameter, directly copying the output parameter from the server procedure stack to the client procedure stack after the server procedure has completed its execution. [column 17, lines 59- column 18, line 4]

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to combine the directing of request by the first process an action performable by the server procedure as per teachings of **Leach** in to the method as taught by **Miler**, in order to provide a facility that invokes remote

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procedures while minimizing the processing overhead on the system.[see leach ,column 3, lines 49-51]

5. **As per claims 2-6 and 25**, the combination of **Miler** and **Leach** discloses the method as applied to claims above. Furthermore Miler discloses a data structure for storing an encryption key, agreed upon with the other transport of the pair of transport; a plurality of proxies, each resident in a respective one of the processes and linked to a respective object that is resident in a different process via one of said linked slots, said proxies and pairs of transports enabling a first object in a first process to communicate transparently with a second object in a second process via a corresponding proxy in said first process linked to said second object; wherein the communications between the first and second objects are communications encrypted using the encryption key stored in the pair of transports allocated to the pair of processes comprising the first and second processes meets the recitation of the recited claims 2-6. [column 24, lines 25-58 and claim 1]

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.(See PTO-Form 892).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samson B Lemma whose telephone number is

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571-272-3806. The examiner can normally be reached on Monday-Friday (8:00 am---4: 30 pm).

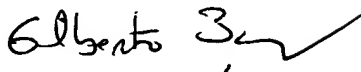
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BARRON JR GILBERTO can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SAMSON LEMMA

S.L.

03/16/2005


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